

# PLUS Search Request Form

- Submit one form per case
- Submit cases by 2pm daily, if not; cases will not get scanned until next business day.

Date 2 / 4 / 2003

1:40 pm

Serial Number of Application 09/977,775

Name L. CIRIC

Art Unit 3743

Phone 308-3925

Building (circle one) CP2 CPK1

Floor 8 Room # 1354

Number of Results returned (Minimum 50/ Maximum 300) 75

Keywords to emphasize

Titles of Most Frequently Occurring Classifications of Patents Returned  
From A Search of 09977775 on February 04, 2003

- 8 62/467 (2 OR, 6 XR)  
Class 062 : REFRIGERATION  
62/467 REFRIGERATION PRODUCER
- 8 62/476 (3 OR, 5 XR)  
Class 062 : REFRIGERATION  
62/467 REFRIGERATION PRODUCER  
62/476 .Sorbent type
- 7 62/116 (6 OR, 1 XR)  
Class 062 : REFRIGERATION  
62/56 PROCESSES  
62/115 .Compressing, condensing and evaporating  
62/116 ..Utilizing motive energy of fluid to compress
- 7 62/497 (4 OR, 3 XR)  
Class 062 : REFRIGERATION  
62/467 REFRIGERATION PRODUCER  
62/476 .Sorbent type  
62/497 ..With means to enhance separations in  
generator
- 5 62/238.3 (3 OR, 2 XR)  
Class 062 : REFRIGERATION  
62/238.1 DISPARATE APPARATUS UTILIZED AS HEAT SOURCE OR  
ABSORBER  
62/238.3 .With sorption
- 4 62/238.6 (1 OR, 3 XR)  
Class 062 : REFRIGERATION  
62/238.1 DISPARATE APPARATUS UTILIZED AS HEAT SOURCE OR  
ABSORBER  
62/238.6 .With vapor compression system
- 4 426/634 (3 OR, 1 XR)  
Class 426 : FOOD OR EDIBLE MATERIAL: PROCESSES,  
COMPOSITIONS, AND PRODUCTS  
426/531 PRODUCTS PER SE, OR PROCESSES OF PREPARING OR  
TREATING COMPOSITIONS INVOLVING CHEMICAL REACTION BY  
ADDITION, COMBINING DIVERSE FOOD MATERIAL, OR

PERMANENT

ADDITIVE

- 426/615 .Plant material is basic ingredient other than  
extract, starch or protein
- 426/629 ..Bean, seed or nut product
- 426/634 ...Legume

4 426/656 (1 OR, 3 XR)

Class 426 : FOOD OR EDIBLE MATERIAL: PROCESSES,  
COMPOSITIONS, AND PRODUCTS

- 426/531 PRODUCTS PER SE, OR PROCESSES OF PREPARING OR  
TREATING COMPOSITIONS INVOLVING CHEMICAL REACTION BY  
ADDITION, COMBINING DIVERSE FOOD MATERIAL, OR

PERMANENT

ADDITIVE

- 426/656 .Protein, amino acid, or yeast containing

3 60/671 (1 OR, 2 XR)

Class 060 : POWER PLANTS

- 60/643 MOTIVE FLUID ENERGIZED BY EXTERNALLY APPLIED  
HEAT

- 60/670 .Power system involving change of state
- 60/671 ..Motive fluid comprises a material other than  
steam or water

3 62/225 (0 OR, 3 XR)

Class 062 : REFRIGERATION

- 62/132 AUTOMATIC CONTROL
- 62/190 .Refrigeration producer
- 62/216 ..Of or by evaporation zone
- 62/222 ...Of expansion valve or variable restrictor
- 62/224 ....By condition at low side
- 62/225 .....At or beyond evaporator outlet, i.e.,  
superheat

3 62/331 (3 OR, 0 XR)

Class 062 : REFRIGERATION

- 62/331 COMBINED

3 62/335 (0 OR, 3 XR)

Class 062 : REFRIGERATION

- 62/335 PLURAL PAIRED DIFFERENT FUNCTION REFRIGERATION  
PRODUCING ELEMENTS, E.G., CASCADE

3 62/505 (1 OR, 2 XR)

Class 062 : REFRIGERATION

62/467 REFRIGERATION PRODUCER

62/498 .Compressor-condenser-evaporator circuit

62/505 ..Cooling motor and/or compressor by  
refrigerant

3 62/513 (2 OR, 1 XR)

Class 062 : REFRIGERATION

62/467 REFRIGERATION PRODUCER

62/513 .Heat exchange between diverse function  
elements

3 221/150A (0 OR, 3 XR)

Class 221 : ARTICLE DISPENSING

221/135 WITH ARTICLE TREATMENT

221/150R .With cooling or heating

221/150A ..Heating

3 236/92B (3 OR, 0 XR)

Class 236 : AUTOMATIC TEMPERATURE AND HUMIDITY REGULATION

236/67 MOTORS

236/92R .With pressure control

236/92B ..Refrigeration expansion valves

2 34/77 (0 OR, 2 XR)

Class 034 : DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS

34/523 APPARATUS

34/72 .With means to treat gas or vapor

34/73 ..By vapor condensation

34/76 ...With forced circulation

34/77 ....Recirculation of treating gas or vapor

2 50/593 (0 OR, 2 XR)

Class 060 : POWER PLANTS

60/325 PRESSURE FLUID SOURCE AND MOTOR

60/533 .Pulsator

60/593 ..Having fluid motor driving piston of master  
unit

2 62/112 (1 OR, 1 XR)

Class 062 : REFRIGERATION

62/56 PROCESSES

62/101 .Evaporation induced by sorption

- 62/112        ..Utilizing particular refrigerant and/or  
                 sorbent materials
- 2 62/117     (0 OR, 2 XR)  
    Class 062 : REFRIGERATION  
    62/56       PROCESSES  
    62/115       .Compressing, condensing and evaporating  
    62/117       ..Dividing refrigerant flow, e.g., bypass  
                 parallel units
- 2 62/129     (1 OR, 1 XR)  
    Class 062 : REFRIGERATION  
    62/125       WITH INDICATOR OR TESTER  
    62/129       .Condition sensing
- 2 62/157     (0 OR, 2 XR)  
    Class 062 : REFRIGERATION  
    62/132       AUTOMATIC CONTROL  
    62/157       .Time or program actuator
- 2 62/231     (0 OR, 2 XR)  
    Class 062 : REFRIGERATION  
    62/231       TIME OR PROGRAM ACTUATOR
- 2 62/303     (2 OR, 0 XR)  
    Class 062 : REFRIGERATION  
    62/303       WITH CLEANING MEANS FOR APPARATUS
- 2 62/324.2   (0 OR, 2 XR)  
    Class 062 : REFRIGERATION  
    62/324.1     REVERSIBLE, I.E., HEAT PUMP  
    62/324.2     .With cooling apparatus other than gas  
                 compressor
- 2 62/325     (0 OR, 2 XR)  
    Class 062 : REFRIGERATION  
    62/324.1     REVERSIBLE, I.E., HEAT PUMP  
    62/325       .External fluid flow reversed
- 2 62/332     (0 OR, 2 XR)  
    Class 062 : REFRIGERATION  
    62/332       DIVERSE SYSTEMS, E.G., ICE AND MECHANICAL
- 2 62/333     (0 OR, 2 XR)  
    Class 062 : REFRIGERATION

- 62/332 DIVERSE SYSTEMS, E.G., ICE AND MECHANICAL
- 62/333 .Primary and secondary dependent circuits
- 2 62/352 (0 OR, 2 XR)
  - Class 062 : REFRIGERATION
  - 62/340 MEANS PRODUCING SHAPED OR MODIFIED CONGEALED PRODUCT
  - 62/349 .Thawing means
  - 62/352 ..Means using refrigerant or coolant as heating fluid
- 2 62/356 (0 OR, 2 XR)
  - Class 062 : REFRIGERATION
  - 62/340 MEANS PRODUCING SHAPED OR MODIFIED CONGEALED PRODUCT
  - 62/356 .Mold with means to absorb heat, e.g., brine tank
- 2 62/480 (1 OR, 1 XR)
  - Class 062 : REFRIGERATION
  - 62/467 REFRIGERATION PRODUCER
  - 62/476 .Sorbent type
  - 62/477 ..Absorber-still, e.g., intermittent
  - 62/480 ...With solid sorbent
- 2 73/295 (0 OR, 2 XR)
  - Class 073 : MEASURING AND TESTING
  - 73/290R LIQUID LEVEL OR DEPTH GAUGE
  - 73/295 .Thermal type
- 2 95/121 (0 OR, 2 XR)
  - Class 095 : GAS SEPARATION: PROCESSES
  - 95/90 SOLID SORPTION
  - 95/116 .Inorganic gas or liquid particle sorbed (e.g., vapor, mist, etc.)
  - 95/117 ..Water sorbed
  - 95/121 ...And regeneration of solid sorbent
- 2 126/362.1 (0 OR, 2 XR)
  - Class 126 : STOVES AND FURNACES
  - 126/383.1 ..Collecting, directing, or shielding feature for overflow or spatter of the liquid
  - 126/361.1 .Boiler receiving hot liquid or steam from stove or furnace (e.g., kitchen boiler, range boiler, etc.)

- 126/362.1      ..Having means to circulate the liquid
  
- 2 137/392      (0 OR, 2 XR)
  - Class 137 : FLUID HANDLING
  - 137/386      LIQUID LEVEL RESPONSIVE OR MAINTAINING SYSTEMS
  
  - 137/392      .Electrical characteristic sensing
  
- 2 165/104.21   (0 OR, 2 XR)
  - Class 165 : HEAT EXCHANGE
  - 165/104.11   INTERMEDIATE FLUENT HEAT EXCHANGE MATERIAL  
RECEIVING AND DISCHARGING HEAT
  - 165/104.19   .Liquid fluent heat exchange material
  - 165/104.21   ..Utilizing change of state
  
- 2 165/104.22   (0 OR, 2 XR)
  - Class 165 : HEAT EXCHANGE
  - 165/104.11   INTERMEDIATE FLUENT HEAT EXCHANGE MATERIAL  
RECEIVING AND DISCHARGING HEAT
  - 165/104.19   .Liquid fluent heat exchange material
  - 165/104.21   ..Utilizing change of state
  - 165/104.22   ...Including means to move heat exchange  
material in liquid state
  
- 2 165/163      (0 OR, 2 XR)
  - Class 165 : HEAT EXCHANGE
  - 165/157      CASING OR TANK ENCLOSED CONDUIT ASSEMBLY
  - 165/163      .Conduit coiled within casing
  
- 2 165/179      (0 OR, 2 XR)
  - Class 165 : HEAT EXCHANGE
  - 165/177      TUBULAR STRUCTURE
  - 165/179      .Projecting internal and external heat transfer  
means
  
- 2 165/184      (0 OR, 2 XR)
  - Class 165 : HEAT EXCHANGE
  - 165/177      TUBULAR STRUCTURE
  - 165/181      .With discrete heat transfer means
  - 165/183      ..Longitudinal extending
  - 165/184      ...Helical
  
- 2 165/62      (0 OR, 2 XR)
  - Class 165 : HEAT EXCHANGE
  - 165/58      HEATING AND COOLING

- 165/61            .Heating and cooling of the same material
- 165/62            ..Refrigerating system conversion
  
- 2 221/150HC   (2 OR, 0 XR)
  - Class 221 : ARTICLE DISPENSING
  - 221/135        WITH ARTICLE TREATMENT
  - 221/150R        .With cooling or heating
  - 221/150HC        ..Heating and cooling combined
  
- 2 237/19       (1 OR, 1 XR)
  - Class 237 : HEATING SYSTEMS
  - 237/19        COMBINED WITH WATER HEATER
  
- 2 237/2B       (0 OR, 2 XR)
  - Class 237 : HEATING SYSTEMS
  - 237/2R        AUTOMATIC CONTROL
  - 237/2B        .Heat source is a reverse cycle refrigerating  
                  system or heat pump
  
- 2 312/236       (0 OR, 2 XR)
  - Class 312 : SUPPORTS: CABINET STRUCTURE
  - 312/236        WITH HEATING, COOLING OR HEAT EXCHANGE MEANS
  
- 2 417/310       (0 OR, 2 XR)
  - Class 417 : PUMPS
  - 417/279        WITH CONDITION RESPONSIVE PUMPED FLUID CONTROL
  
  - 417/307        .Pressure responsive relief or bypass valve
  - 417/310        ..Rotary expansible chamber pump
  
- 2 417/32       (2 OR, 0 XR)
  - Class 417 : PUMPS
  - 417/1        CONDITION RESPONSIVE CONTROL OF PUMP DRIVE  
                  MOTOR
  - 417/32        .Responsive to pump or pump fluid temperature